

**LAND APPLICATION SITE
WILLIAM E. PARHAM SITE
LUWEP 1-15
LUNENBURG COUNTY**

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 9-15-09 between William E. Peckham, referred to here as "landowner", and Recyc Systems, Inc., referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as "landowner's land". Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (NPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids/soil mixture and are truly above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 36 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids unless cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilogram/hectare);
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on other land with a high potential for public exposure or a farm, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature:

William E. Peckham

Mailing Address:

1879 South Hill Rd.
Kenbridge, VA. 23944

Farm Operator Signature:

William E. Peckham
434-447-3035
Celi 434-262-6519

Mailing Address:

SAME

Permittee:

Recyc Systems, Inc.

Mailing Address:

P.O. Box 582
Roxton, Virginia 23734
(540) 547-3300

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 9-19-09 between DAVID ARTHUR, referred to here as "landowner", and Recyc Systems, Inc., referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as _____ ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Feed crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Feed crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other feed crops, feed crops and other crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, new producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 Kilogram/hectare);
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature:



Farm Operator Signature:

Edward Pacham

H-434-447-3035

CEN-434-262-6519

Permittee:

Recyc Systems, Inc.

Mailing Address:

116 Overby Plantation Ln
Kenbridge VA

Mailing Address:

23944

1879 South Hill Rd.
Kenbridge, VA - 23944

Mailing Address:

P.O. Box 522
Namozine, Virginia 22724
540-547-3300

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 9-23-09 between ROBERT D. OVERBY, referred to here as "landowner", and Recyc Systems, Inc., referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as _____ ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 28 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids (one cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare)).
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the areas of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature:

Robert D. Overby

Farm Operator Signature:

Edward Parham

H-434-447-3035

Cell- 434-262-6519

Permittee:

Recyc Systems, Inc.

Mailing Address:

5136 So. Hill Rd.

KENBRIDGE VA 23944

Mailing Address:

1879 South Hill Rd.

KENBRIDGE, VA. 23944

Mailing Address:

P.O. Box 592

Hampton, Virginia 23764

(757) 547-3300

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 9-22-09 between Edith W. Pacham, referred to here as "landowner", and Recyc Systems, Inc., referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as "landowner's land". Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids-soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 36 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids (one cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare)).
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on other land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature:

Edith W. Pacham
Edith P. Harris P.O.A

Landowner Signature:

Edward Pacham

434-447-3035

434-262-6519

Permittee:

Recyc Systems, Inc.

Mailing Address:

301 BETHANY DR
SOUTH HILL VA 23970-1310

Mailing Address:

1879 South Hill Rd.

KENBRIDGE, VA. 23944

Mailing Address:

P.O. Box 592
Ramlington, Virginia 24774
(540) 547-3300

FARM DATA SHEET

SITE NAME:	William E. Parham	COUNTY:	Lunenburg
OWNER:	William E. Parham	OPERATOR:	William 'Eddie' Parham
OWNER'S ADDRESS:	1879 South Hill Road Kenbridge, VA 23944	OPERATOR'S ADDRESS:	1879 South Hill Road Kenbridge, VA 23944
OWNER'S TELEPHONE:	434-447-3035	OPERATOR'S TELEPHONE:	434-447-3035
GENERAL FARM TYPE:	Hay/Pasture	CELL PHONE:	434-262-6519
# CATTLE:	70	EMAIL:	
LAGOON or SLURRY:	None	LATITUDE:	
TOPO QUAD:	Forksville	LONGITUDE:	
COMMENTS:	David Arthur 116 Overby Plantation Kenbridge, VA 23944 434-321-2781	Fields 1-6 36°51'51" 78°05'15"	
	Robert D. Overby 5156 South Hill Road Kenbridge, VA 23944 434-676-2825	Fields 7-12 36°48'43" 78°04'55"	
	Edith W. Parham 301 Bethany Drive South Hill, VA 23970 434-447-2852	Fields 13-15 36°47'40" 78°04'46"	

Recyc Systems, Inc

William E. Parham Site

County	Owner	Operator	FSA Tract No.	Recyc	Acres	Date of Last Application
				Field No.		
Lunenburg	Edith W. Parham David Arthur David Arthur & Robert Overby " " Robert Overby William Parham " Edith Parham " "	William E. Parham	T164834 Fields 1,2,3	LUNWEP 1	13.8	-
			T1433 Field 1	LUNWEP2	3.8	"
			T16480/16481 Fields 9/10	LUNWEP 3	12.4	-
			T16480/16481 Fields 9/7	LUNWEP 4	10.0	"
			T16480/16481/1483 Fields 5,11/12/2	LUNWEP 5	16.5	-
			T15869 Field 1	LUNWEP 6	7.1	-
			T1682 No number	LUNWEP 7	67.4	"
			T1682 Field 2	LUNWEP 8	9.9	-
			T15692 Field 2	LUNWEP 9	8.9	"
			T15692 Field 1	LUNWEP 10	11.5	-
			T15692 Field 1	LUNWEP 11	10.8	-

Recyc Systems, Inc

William E. Parham Site

RECYC SYSTEMS, INC
FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Beach	Freq Flood			
LUWEP 1	13.8	18B 24B (Now/Apr)	-	-	-	CM10	TM72(1),P2B	16484
LUWEP 2	3.8	-	-	-	-	CM10	TM72(A),P9C	1433
LUWEP 3	12.4	-	-	-	-	CM10	TM72(A),P9A	16480 16481
LUWEP 4	10.0	-	-	-	-	CM10	TM72(A),P11	16480 16481
							TM72(A),P10,1	16480 16481
LUWEP 5	16.5	-	-	-	-	CM10	1	1433
LUWEP 6	7.1	-	-	-	-	CM10	TM72(1),P3H	15,869
LUWEP 7	67.4	10C2	-	-	-	CM11	TM81(A),P53	1682
LUWEP 8	9.9	-	-	-	-	CM11	TM81(A),P53	1682
LUWEP 9	8.9	-	-	-	-	CM11	TM81(A),P51	15692
LUWEP 10	11.5	10C2	-	-	-	CM11	TM81(4),P1	15692
LUWEP 11	10.8	10C2	-	-	-	CM11	TM81(4),P1	15692
LUWEP 12	6.3	-	-	-	-	CM11	TM81(A),P51 TM81(4),P1	15692
LUWEP 13	25.9	-	-	-	-	CM11	TM81(A),P38	1545
LUWEP 14	10.7	-	-	-	-	CM11	TM81(A),P38	1545
LUWEP 15	6.2	-	-	-	-	CM11	TM81(A),P38	1545
TOTAL ACRES IN SITE	221.2							



A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
WILLIAM E PARHAM/LUWEP
LUNENBURG

Submitted By: J B CRENSHAW
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
MEHLICH 3

Date Received: 11/11/2009

Date Of Analysis: 11/12/2009

Date Of Report: 11/13/2009

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C	
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	03900	2.4	L	92	67	H			18	VL	97	H	467	M			5.5	6.82	1.1	4.3
2	03901	1.8	L	81	28	L			21	VL	74	H	481	M			5.8	6.86	0.7	3.8
3	03902	2.8	M	98	77	H			65	L	138	H	744	M			6.1	6.85	0.8	5.8
4	03903	2.8	M	97	79	H			72	L	142	H	771	M			6.0	6.83	1.0	6.2
5	03904	2.3	L	88	89	H			62	L	130	H	654	M			5.7	6.81	1.2	5.7

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ -N ppm	S Rate	Zn ppm	Mn Rate	Fe ppm	Cu Rate	B ppm	SS ms/cm	Cl ppm	Al ppm
1	1.1	18.8	54.3		25.7										
2	1.4	16.2	63.3		19.0										
3	2.9	19.8	64.1		13.8										
4	3.0	19.1	62.2		15.3										
5	2.8	19.0	57.4		21.1										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by:

Oscar Ruiz



Send To: RECYC SYSTEMS INC
 SUSAN TRUMBO
 8455 WHITESHOP RD
 CULPEPER VA 22701

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Grower:
 WILLIAM E PARHAM/LUWEP
 LUNENBURG

Submitted By: J B CRENSHAW
 Farm ID:

Date Received: 11/11/2009

Date Of Report: 11/13/2009

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adjust pH to 6.8	0	1.8				0						
2	Adjust pH to 6.8	0	1.5				6						
3	Adjust pH to 6.8	0	1.3				0						
4	Adjust pH to 6.8	0	1.3				0						
5	Adjust pH to 6.8	0	1.5				0						

Comments:

Crop: Adjust pH to 6.8 - Sample(s) 1, 2:

Apply dolomitic lime to raise pH and improve the magnesium level.

Crop: Adjust pH to 6.8 - Sample(s) 2:

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Oscar Ruiz



A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
WILLIAM E PARHAM/LUWEP
LUNENBURG

Submitted By: J B CRENSHAW
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

MEHLICH 3

Date Received: 11/11/2009

Date Of Analysis: 11/12/2009

Date Of Report: 11/13/2009

Sample ID Field ID	Lab Number	Organic Matter					Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	*EN	ENR	Rate	lb/A	Mehlich 3 ppm Rat	Reserve ppm Rat	K ppm	Mg ppm	Ca ppm	Na ppm	Soil pH	Buffer Index	H meq/100g	meq/100g					
6	03905	4.4 M	M 12	123	37 M	M			94	L	306	H	1458	H			6.8	6.90	0.3	10.4	
7	03906	5.7 H	H 15	150	11 V	VL			41	VL	117	M	638	L			5.1	6.67	2.6	6.8	
8	03907	4.7 M	M 13	136	12 V	VL			35	VL	109	H	608	M			5.4	6.77	1.6	5.6	
9	03908	4.0 M	M 12	124	82 H	H			20	VL	85	H	400	L			5.2	6.79	1.4	4.2	
10	03909	3.6 M	M 11	114	64 H	H			35	VL	105	H	574	L			5.2	6.73	2.0	5.8	

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ ppm Rat	S ppm Rat	Zn ppm Rat	Mn ppm	Fe ppm	Cu ppm	B ppm	SS ms/cm	Cl ppm	Al ppm
6	2.3	24.5	70.1		2.9										
7	1.5	14.3	46.9		37.8										
8	1.6	16.2	54.3		28.5										
9	1.2	16.0	47.6		34.0										
10	1.5	15.1	49.5		34.2										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by:

Oscar Ruiz



A&L Eastern Laboratories, Inc.

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Grower:
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Submitted By: J B CRENSHAW
Farm ID:

Date Received: 11/11/2009

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SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
6	Adjust pH to 6.8	0	0.0				0						
7	Adjust pH to 6.8	0	2.5				0						
8	Adjust pH to 6.8	0	2.0				0						
9	Adjust pH to 6.8	0	2.0				0						
10	Adjust pH to 6.8	0	2.3				0						

Comments:

Crop: Adjust pH to 6.8 - Sample(s) 10, 7, 8, 9:

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Oscar Ruiz



Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Grower:

WILLIAM E PARHAM/LUWEP
LUNENBURG

Submitted By: J B CRENSHAW
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

MEHLICH 3

Date Received: 11/11/2009

Date Of Analysis: 11/12/2009

Date Of Report: 11/13/2009

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C		
		%	Rate	ENR lbs/A	Mehllich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
11	03910	3.2	M	M 10 108	70	H			22	VL	86	H	387	L			5.2	6.79	1.4	4.1
12	03911	3.3	M	M 11 110	82	H			22	VL	85	H	393	L			5.1	6.77	1.6	4.4
13	03912	4.6	M	M 12 127	35	M			104	L	300	H	1433	H			6.8	6.90	0.3	10.2
14	03913	3.3	M	M 10 106	31	M			138	H	191	H	895	M			6.3	6.85	0.8	7.2
15	03915	3.6	M	M 10 109	46	M			228	VH	286	H	1278	M			7.0		0.0	9.4

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ ppm	S Rate	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	SS ms/cm	Cl ppm	Al ppm
11	1.4	17.5	47.2		34.2										
12	1.3	16.1	44.7		37.3										
13	2.6	24.5	70.2		2.9										
14	4.9	22.1	62.2		10.5										
15	6.2	25.4	68.0		0.0										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by:

Oscar Ruiz



www.allabs.com

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
WILLIAM E PARHAM/LUWEP
LUNENBURG

Submitted By: J B CRENSHAW
Farm ID:

Date Received: 11/11/2009

Date Of Report: 11/13/2009

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
11	Adjust pH to 6.8	0	2.0				0						
12	Adjust pH to 6.8	0	2.0				0						
13	Adjust pH to 6.8	0	0.0				0						
14	Adjust pH to 6.8	0	1.0				0						
15	Adjust pH to 6.8	0	0.0				0						

Comments:

Crop: Adjust pH to 6.8 - Sample(s) 11, 12:

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Oscar Ruiz

NUTRIENT MANAGEMENT PLAN IDENTIFICATION

Operator
William Parham
1879 South Hill Road
Kenbridge, VA 23944
434-447-3035

Integrator:None

Farm Coordinates
Easting: 0, Northing: 0, zone: 17

Watershed Summary
watershed: CM11
county: Lunenburg

Nutrient Management Planner
Recyc Systems, Inc.
P.O. Box 562
Remington, VA 22734
540.547.3300
Certification Code: None

Acreage Use Summary
Total Acreage in this plan: 221.2

Cropland: 0 0.
Hayland: 143. 143.2
Pasture: 78 78.
Specialty: 0 0.

Livestock Summary
Beef Cattle 0 0
Dairy Cattle 0 0
Poultry 0 0
Swine 0 0
Other 0 0

Manure Production Balance

	Imported	Produced	Exported	Used	Net
kgals	0.	0.	0.	0.	0.
toms	0.	0.	0.	0.	0.

Plan written 12/1/2009
Valid until 12/1/2009

Signature: _____
Planner _____ date _____

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet

(Spring, 2009-Fall, 2010)

William E. Parham

Planner: Recyc Systems, Inc.

Tract: 1433 Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/LUWEP02(N)	4/4	2009 2010	Grass Pasture	50-80-80 50-90-110	0/0 0/0				50-80-80 50-170-190	N/A N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 15, 869

Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Bios Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/LUWEP06(N)	7/7	2009	Orchardgrass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 1545 Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
0/LUWEP13(N)	26/26	2009	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
		2010	.....	50-30-40	0/0				50-60-80	N/A			
0/LUWEP14(N)	11/11	2009	Orchardgrass hay mt.	70-50-95	0/0				70-50-95	N/A			
		2010	.....	70-50-70	0/0				70-100-165	N/A			
0/LUWEP15(N)	6/6	2009	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
		2010	.....	50-40-0	0/0				50-120-80	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 15892 Location: Lumberville

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosol Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
2/LUWEP09(N)	9/9	2009 2010	Grass Pasture	50-30-40 50-0-70	0/0 0/0				50-30-40 50-30-110	N/A N/A			
1/LUWEP10(N)	12/12	2009 2010	Orchardgrass hay mt.	70-50-95 70-40-130	0/0 0/0				70-50-95 70-90-225	N/A N/A			
1/LUWEP11(N)	11/11	2009 2010	Grass Pasture	50-30-40 50-0-70	0/0 0/0				50-30-40 50-30-110	N/A N/A			
0/LUWEP12(N)	6/6	2009 2010	Orchardgrass hay mt.	70-50-95 70-40-130	0/0 0/0				70-50-95 70-90-225	N/A N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 16480, 16481

Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/BiosId Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
9/10/LUWEP03(N)	12/12	2009 2010	Grass Pasture	50-80-80 50-0-90	0/0 0/0				50-80-80 50-80-170	N/A N/A			
9/7/LUWEP04(N)	10/10	2009 2010	Grass Pasture	50-80-80 50-0-80	0/0 0/0				50-80-80 50-80-160	N/A N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 16480, 16481, 1433 Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/BiosId Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
5, 11/12/2/LUWEP05(N)	17/17	2009	Orchardgrass hay mt.	70-50-95	0/0				70-50-95	N/A			
		2010	.... ....	70-40-110	0/0				70-90-205	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 16484 Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/BiosId Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2, 3/LUWEP01(N)	14/14	2009	Orchardgrass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 1682

Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Bios Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
n/a/LUWEP07(N)	67/67	2009	Orchardgrass hay mt.	70-50-95 70-90-120	0/0 0/0				70-50-95 70-140-215	N/A N/A			
2/LUWEP08(N)	10/10	2009	Orchardgrass hay mt.	70-50-95 70-80-130	0/0 0/0				70-50-95 70-130-225	N/A N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

THE PLANNER IS NOT STATE CERTIFIED

William E. Parham Narrative

The William E. Parham Farm is located in Lunenburg County. The farm consists of hayland and pasture for their cow calf operation.

This partial plan is written for the purpose of obtaining a biosolids permit. Biosolids application has not been shown since it is uncertain when a permit will be obtained. The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate.

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
1433	LUWEP02	4	2009-Fa	M- (28 P ppm)	L (21 K ppm)	A&L MIII	5.8		
15, 869	LUWEP06	7	2009-Fa	M (37 P ppm)	M (94 K ppm)	A&L MIII	6.8		
1545	LUWEP13	26	2009-Fa	M (35 P ppm)	M (104 K ppm)	A&L MIII	6.8		
1545	LUWEP14	11	2009-Fa	M (31 P ppm)	H- (138 K ppm)	A&L MIII	6.3		
1545	LUWEP15	6	2009-Fa	M+ (46 P ppm)	VH (228 K ppm)	A&L MIII	7.		
15692	LUWEP09	9	2009-Fa	H (82 P ppm)	L (20 K ppm)	A&L MIII	5.2		
15692	LUWEP10	12	2009-Fa	H- (64 P ppm)	L (35 K ppm)	A&L MIII	5.2		
15692	LUWEP11	11	2009-Fa	H (70 P ppm)	L (22 K ppm)	A&L MIII	5.2		
15692	LUWEP12	6	2009-Fa	H (82 P ppm)	L (22 K ppm)	A&L MIII	5.1		
16480, 16481	LUWEP03	12	2009-Fa	H (77 P ppm)	M- (65 K ppm)	A&L MIII	6.1		
16480, 16481	LUWEP04	10	2009-Fa	H (79 P ppm)	M (72 K ppm)	A&L MIII	6.		
16480, 16481,	LUWEP05	17	2009-Fa	H (89 P ppm)	M- (62 K ppm)	A&L MIII	5.7		
1433									
16484	LUWEP01	14	2009-Fa	H- (67 P ppm)	L (18 K ppm)	A&L MIII	5.5		
1682	LUWEP07	67	2009-Fa	L- (11 P ppm)	L+ (41 K ppm)	A&L MIII	5.1		
1682	LUWEP08	10	2009-Fa	L (12 P ppm)	L (35 K ppm)	A&L MIII	5.4		

Field Productivities for Major Crops

Tract Name	Tract/Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
1433	1433/1	LUWEP02	4	Madison	IVb	IV II	III	IV	
15, 869	15, 869/11	LUWEP06	7	Appling	IVb	IV II	III	IV	
1545	1545/0	LUWEP13	26	Madison	IVb	IV II	III	IV	
	1545/0	LUWEP14	11	Madison	IVb	IV II	III	IV	
	1545/0	LUWEP15*	6	Madison	IVb	IV II	III	IV	High Slope
15692	15692/2	LUWEP09	9	Appling	V	IV II	III	IV	
	15692/1	LUWEP10	12	Appling	IVb	IV II	III	IV	
	15692/1	LUWEP11	11	Appling	IVb	IV II	III	IV	
	15692/0	LUWEP12	6	Appling	IVb	IV II	III	IV	
16480, 16481	16480, 16481	LUWEP03	12	Madison	IVb	IV II	III	IV	
	16480, 16481	LUWEP04	10	Madison	IVb	IV II	III	IV	
16480, 16481	16480, 16481	LUWEP05	17	Madison	IVb	IV II	III	IV	
16484	16484/1, 2,	LUWEP01	14	Orange	V	IV	Not Suited	IV	
1682	1682/n/a	LUWEP07	67	Appling	V	IV II	III	IV	
	1682/2	LUWEP08	10	Appling	IVb	IV II	III	IV	

* Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	≤4	3.0-3.5
IV	100-130	50-60	40-48	NA	≤3.0
V	≤100	≤50	≤40	NA	NA

Farm Summary Report

Plan: New Plan Spring, 2009 - Fall, 2010

Farm Name: William E. Parham

Location: Lunenburg

Specialist: Recyc Systems, Inc.

Tract Name: 1433

FSA Number: 1433

Location: Lunenburg

Field Name: LUWEP02

Total Acres: 3.80 Usable Acres: 3.80

FSA Number: 1

Tract: 1433

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.8	M-(28 P ppm)	L(21 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
71	14B2	Madison
29	14C2	Madison

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2009-Sp	1.7 acres/AU	Orchard grass/fescue pastures <=25% legume, maint. - No Till
2010-Sp	1.7 acres/AU	Orchard grass/fescue pastures <=25% legume, maint. - No Till

Tract Name: 15, 869**FSA Number:** 15, 869**Location:** Lunenburg**Field Name:** LUWEP06**Total Acres:** 7.10 **Usable Acres:** 7.10**FSA Number:** 1**Tract:** 15, 869**Location:** Lunenburg**Slope Class:** B **Hydrologic Group:** B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	6.8	M(37 P ppm)	M(94 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
8	1C2	Appling
86	1B2	Appling
6	23D2	Wedowee

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	1.9 tons	Orchard grass (hay), maint. - No Till
2010-Sp	1.9 tons	Orchard grass (hay), maint. - No Till

Tract Name: **1545**

FSA Number: 1545

Location: Lunenburg

Field Name: **LUWEP13**

Total Acres: 25.90 Usable Acres: 25.90

FSA Number: 0

Tract: 1545

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	6.8	M(35 P ppm)	M(104 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
24	1C2	Appling
16	5B2	Cecil
31	14B2	Madison

3 14C2 Madison
26 14D2 Madison

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	2.1 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2010-Sp	2.1 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: **LUWEP14**

Total Acres: 10.70 Usable Acres: 10.70
FSA Number: 0
Tract: 1545
Location: Lunenburg
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	6.3	M(31 P ppm)	H-(138 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
20	14D2	Madison
32	14C2	Madison
48	14B2	Madison

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	2.6 tons	Orchard grass (hay), maint. - No Till
2010-Sp	2.6 tons	Orchard grass (hay), maint. - No Till

Field Name: LUWEP15

Total Acres: 6.20 Usable Acres: 6.20

FSA Number: 0

Tract: 1545

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	7.0	M+(46 P ppm)	VH(228 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
55	14B2	Madison
45	14D2	Madison

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with percent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	1.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2010-Sp	1.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Tract Name: **15692**

FSA Number: 15692

Location: Lunenburg

Field Name: **LUWEP09**

Total Acres: 8.90 Usable Acres: 8.90

FSA Number: 2

Tract: 15692

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.2	H(82 P ppm)	L(20 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
1	1C2	Appling
98	1B2	Appling
1	10C2	Helena

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	3.1 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2010-Sp	3.1 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: LUWEP10

Total Acres: 11.50 Usable Acres: 11.50

FSA Number: 1

Tract: 15692

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.2	H-(64 P ppm)	L(35 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
32	1C2	Appling
68	1B2	Appling

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2009-Sp	1.9 tons	Orchard grass (hay), maint. - No Till
2010-Sp	1.9 tons	Orchard grass (hay), maint. - No Till

Field Name: LUWEP11
Total Acres: 10.80 Usable Acres: 10.80
FSA Number: 1
Tract: 15692
Location: Lunenburg
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.2	H(70 P ppm)	L(22 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
78	1B2	Appling
18	1C2	Appling
4	5B2	Cecil

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	3.0 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2010-Sp	3.0 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: LUWEP12
Total Acres: 6.30 Usable Acres: 6.30
FSA Number: 0
Tract: 15692

Location: Lunenburg
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.1	H(82 P ppm)	L(22 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
22	5B2	Cecil
49	1B2	Appling
29	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	2.0 tons	Orchard grass (hay), maint. - No Till
2010-Sp	2.0 tons	Orchard grass (hay), maint. - No Till

Tract Name: **16480, 16481**

FSA Number: 16480, 16481

Location: Lunenburg

Field Name: **LUWEP03**

Total Acres: 12.40 Usable Acres: 12.40

FSA Number: 9/10

Tract: 16480, 16481

Location: Lunenburg
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	6.1	H(77 P ppm)	M-(65 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
49	14C2	Madison
51	14B2	Madison

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	1.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2010-Sp	1.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: LUWEP04

Total Acres: 10.00 Usable Acres: 10.00

FSA Number: 9/7

Tract: 16480, 16481

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	6.0	H(79 P ppm)	M(72 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
54	14C2	Madison
46	14B2	Madison

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	1.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2010-Sp	1.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Tract Name: 16480, 16481, 1433

FSA Number: 16480, 16481, 1433

Location: Lunenburg

Field Name: LUWEP05

Total Acres: 16.50 Usable Acres: 16.50

FSA Number: 5, 11/12/2

Tract: 16481, 1433

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.7	H(89 P ppm)	M-(62 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
4	14C2	Madison
67	14B2	Madison
3	1B2	Appling
26	1C2	Appling

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2009-Sp	2.4 tons	Orchard grass (hay), maint. - No Till
2010-Sp	2.4 tons	Orchard grass (hay), maint. - No Till

Tract Name: 16484

FSA Number: 16484

Location: Lunenburg

Field Name: LUWEP01

Total Acres: 13.80 Usable Acres: 13.80

FSA Number: 1, 2, 3

Tract: 16484

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.5	H-(67 P ppm)	L(18 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
9	1B2	Appling
7	1C2	Appling
32	5B2	Cecil
11	14B2	Madison
36	18B	Orange
5	24B	Worsham

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	1.8 tons	Orchard grass (hay), maint. - No Till
2010-Sp	1.8 tons	Orchard grass (hay), maint. - No Till

Tract Name: 1682

FSA Number: 1682

Location: Lunenburg

Field Name: LUWEP07

Total Acres: 67.40 Usable Acres: 67.40

FSA Number: n/a

Tract: 1682

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.1	L-(11 P ppm)	L+(41 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
41 1B	1B2 App	Apppling
39 1C	1C2 App	Apppling
5 5B	5B2 Cec	Cecil
5 5C	5C2 Cec	Cecil
10 10C	10C2 Hel	Helena

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	1.8 tons	Orchard grass (hay), maint. - No Till
2010-Sp	1.8 tons	Orchard grass (hay), maint. - No Till

Field Name: LUWEP08

Total Acres: 9.90 Usable Acres: 9.90

FSA Number: 2

Tract: 1682

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2009	5.4	L(12 P ppm)	L(35 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
97	1B2	Appling
3	1C2	Appling

Field Warnings:

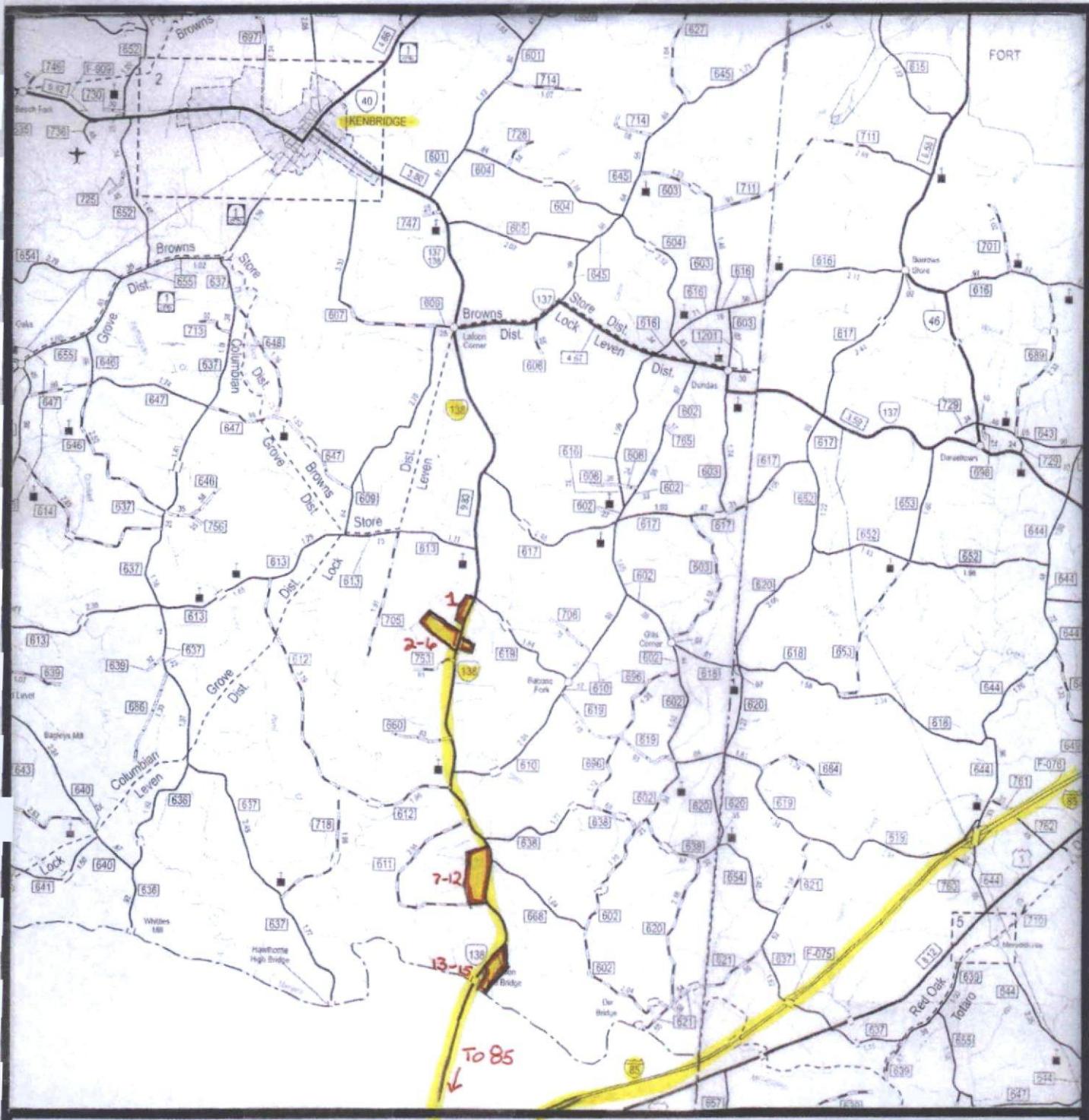
Crop Rotation:

PLANTED	YIELD	CROP NAME
2009-Sp	1.9 tons	Orchard grass (hay), maint. - No Till
2010-Sp	1.9 tons	Orchard grass (hay), maint. - No Till

MAPS

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

LUWEP 1-15

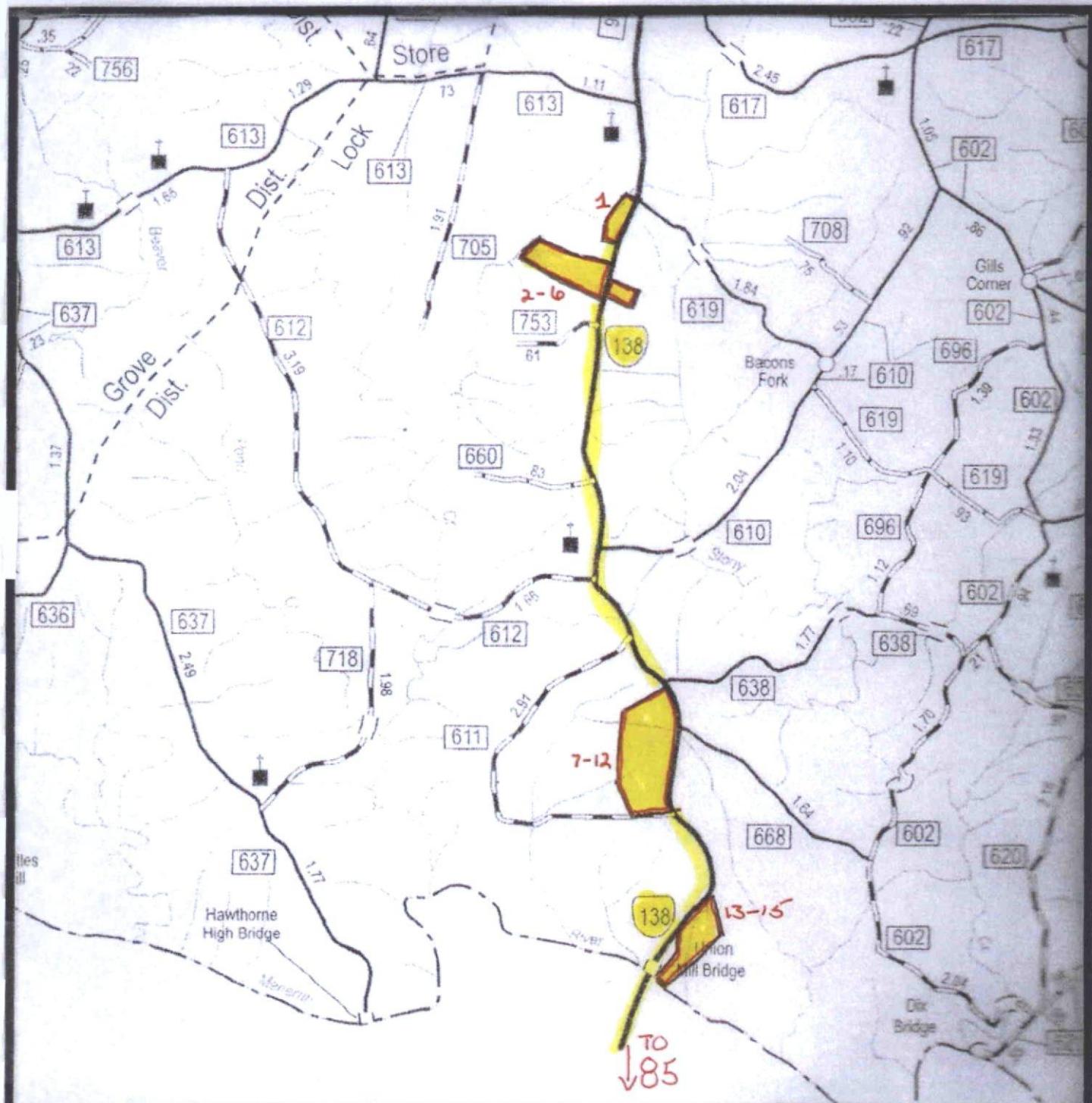
VICINITY MAP



Recyc Systems™

Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 mile

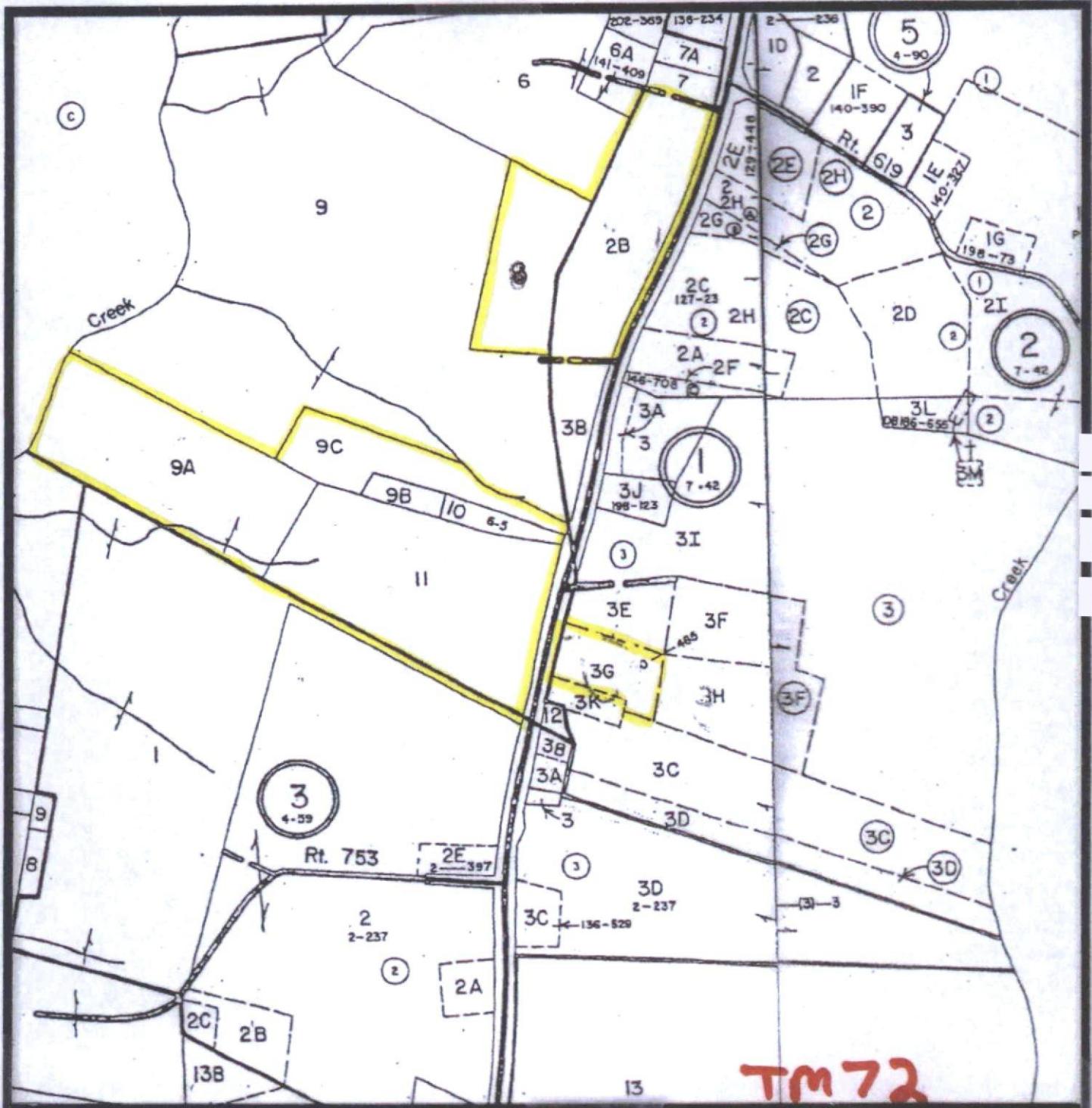
LUWEP 1-15

VICINITY MAP



Recyc Systems™

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 1-6

TAX MAP



Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 7-12

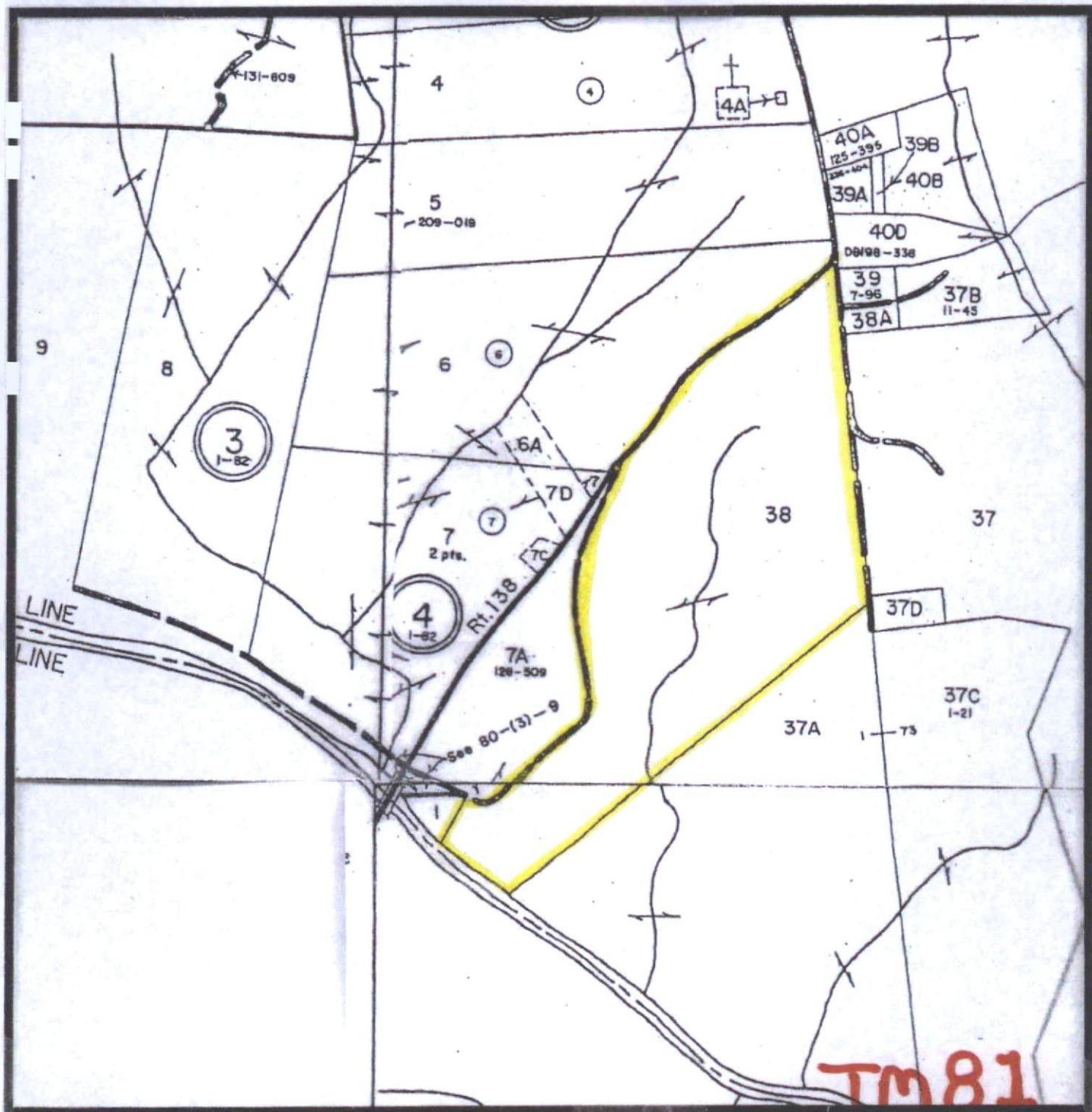
TAX MAP



Recyc Systems™

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 13-15

TAX MAP



ADJOINING LANDOWNERS

William E. Parham

DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
72(A)	3B	Dorothy Shields
	6	Ronald H. or Diane T. Overby
	6A	Ronald H. or Diane T. Overby
	7	Mae P. Overby, Wanda O. Chumney, Ronald H. Overby
	9	Dorothy Shields
	9B,C	E. David Arthur
72(1)	2	G. Wayne or Nancy L. Grant
	2A	Richard J. or Janet M. Gibson
	2C	Richard J. or Janet M. Gibson
	2E	Gayle Shields Grant
	2G	Richard J. or Janet M. Gibson
	2H	Robert J. or Mary Ellen Day
	3	Ernest T. or Rose A. Lewis
	3A	Richard J. or Janet M. Gibson
	3B	Dorothy S. Shields
	3D	J.R. or Fleta L. Smith
	3E	Mark A. or Martha H. Brown
	3F	Matthew Scott or Rebecca McNees
	3G	Robert D. or Virginia N. Overby
	3H	Cynthia O. or Spencer Moore
	3I	Richard L. Whitmore, Jr.
	3K	Sue O. Penland
72(2)	1	Ellen Hill & Jerry Williams
72(3)	1	J.E. Hite
73(A)	3	Annie Lee & Leroy Hicks
	9	Bettie Mae Daniel

ADJOINING LANDOWNERS

William E. Parham

DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
80(A)	17	Sustainable Forests LLC
	18	Gordon H., Mary D. & Michael W. Billings
	18A	
81	37	Ann B. Thompson & Patsy Clark
	37A	William Lee or Margie E. Cline
	37D	Timmy C. or Cheryle Vaughan
	38A	Thomas E. & Willie T. Tanner
	39	Hubert L. Thompson
	40D	Samuel Tisdale, Jr.
81(A)	1	Charles W. or Jeanette L. Rowe
	1B	Michael G. Voss
	48	Thomas C. & Roberta H. Evens
	49A	Judy Halbrook
	49B	Judy Halbrook
	49C	Samuel T. or Patsy L. Walker
81(1)	1	FIATP SSF Timber LLC
81(4)	2	William H., Jr or Georgie M. Lewis
	6	Mark W. Ives
	7A	Roy R. Edmonds
81(5)	1	Samuel T. or Patsy L. Walker
	2	Joseph M. or Paula E O'Meara
	3	Johnnie J. or Anna M. Drake
	4	Frank J. or Eileen M. Prince
	5	Michael E. Gregory
	6	Robert L. or Judith W. Hicks
	7	Stewart W.l,Sr or Charlotte Reen

Recyc SystemsTM

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(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 1

SOIL MAP



Recyc Systems™

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 2-6

SOIL MAP



Recyc SystemsTM

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

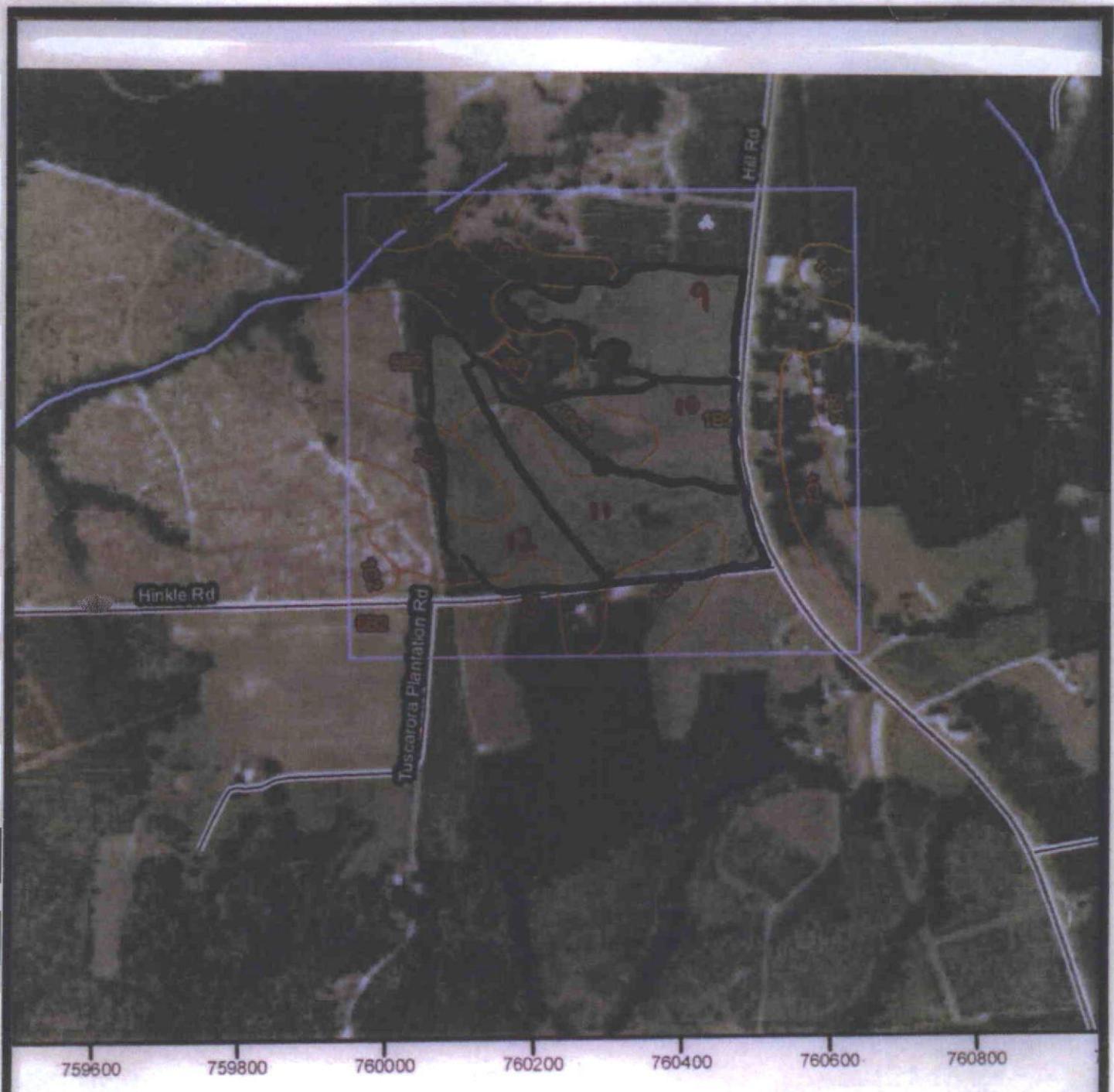
LUWEP 7-8

SOIL MAP



Recyc Systems™

Inc. (Biosolids Land Application)



Scale:

1 inch = 660 feet

LUWEP 9-12

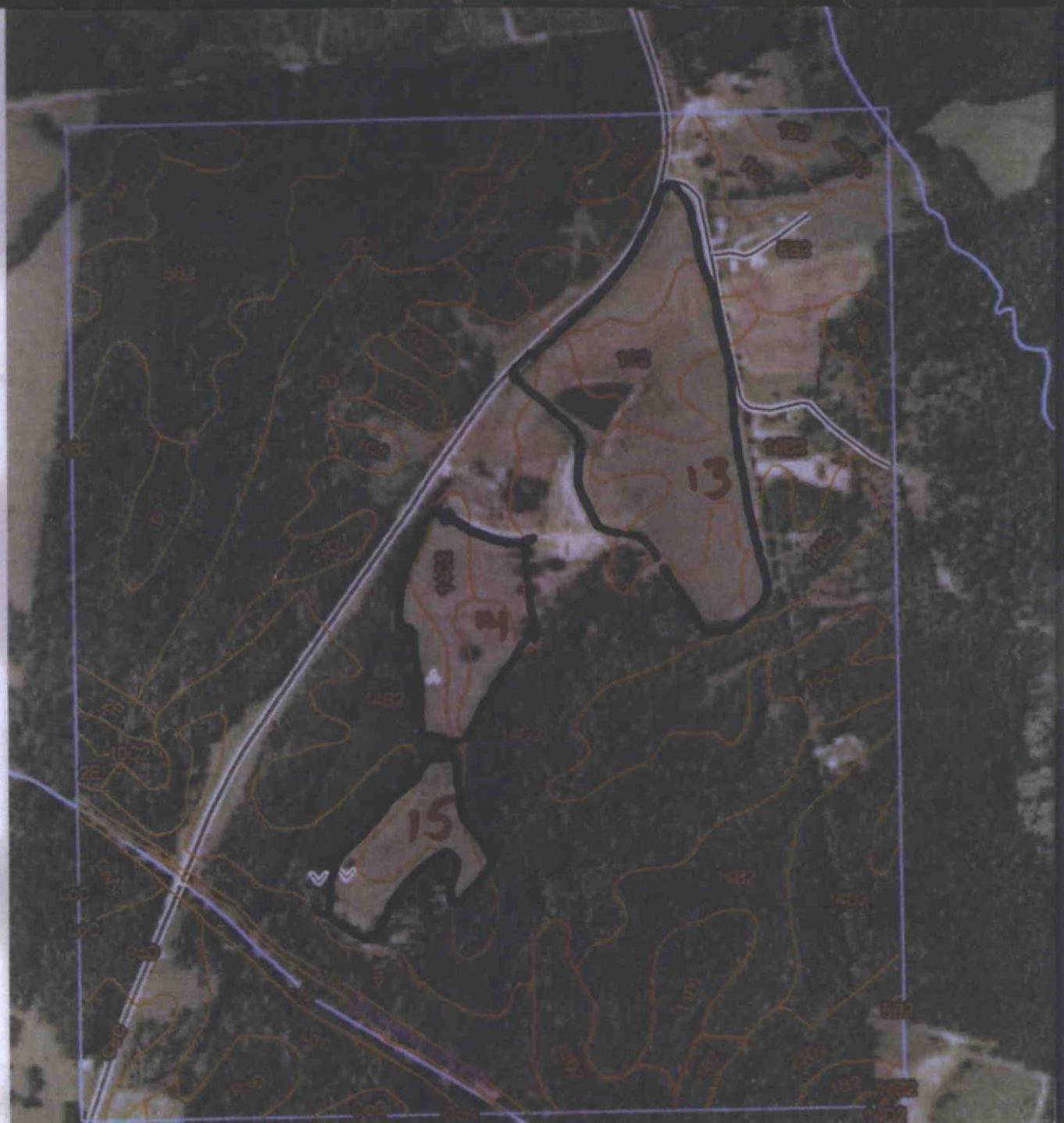
SOIL MAP



Recyc Systems™

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

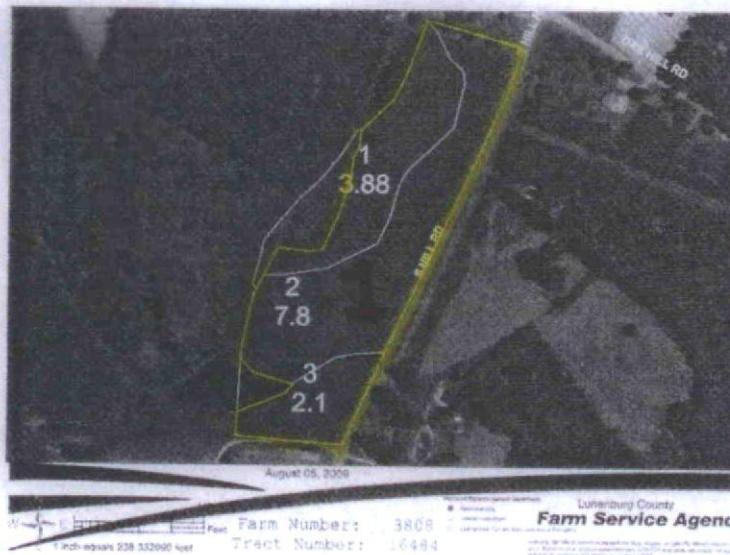
LUWEP 13-15

SOIL MAP



Recyc Systems™ Inc.

(Biosolids Land Application)



T 16484

Scale: 1 inch = 660 feet

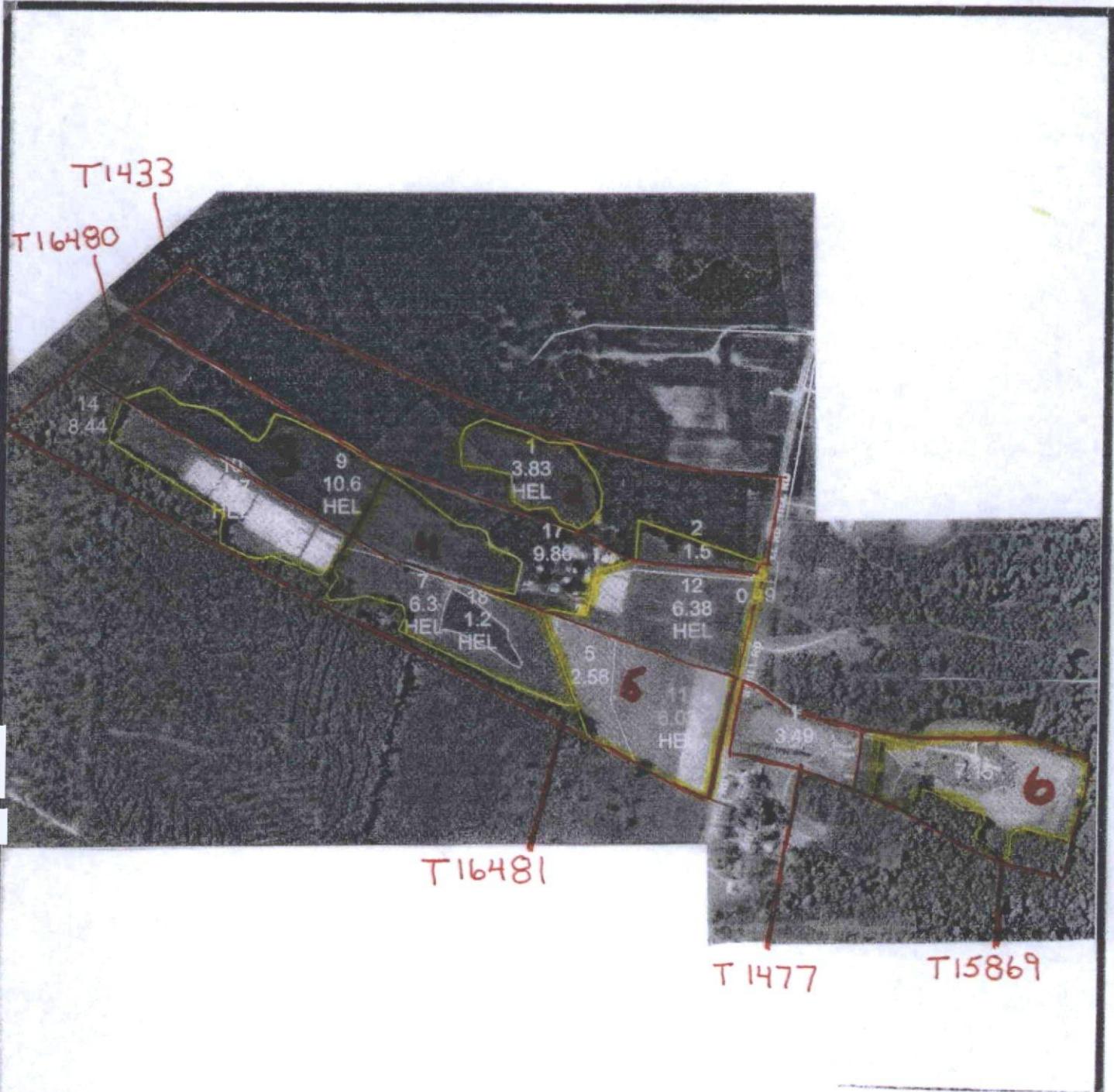
LUWEP 1

AERIAL MAP



Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 2-6

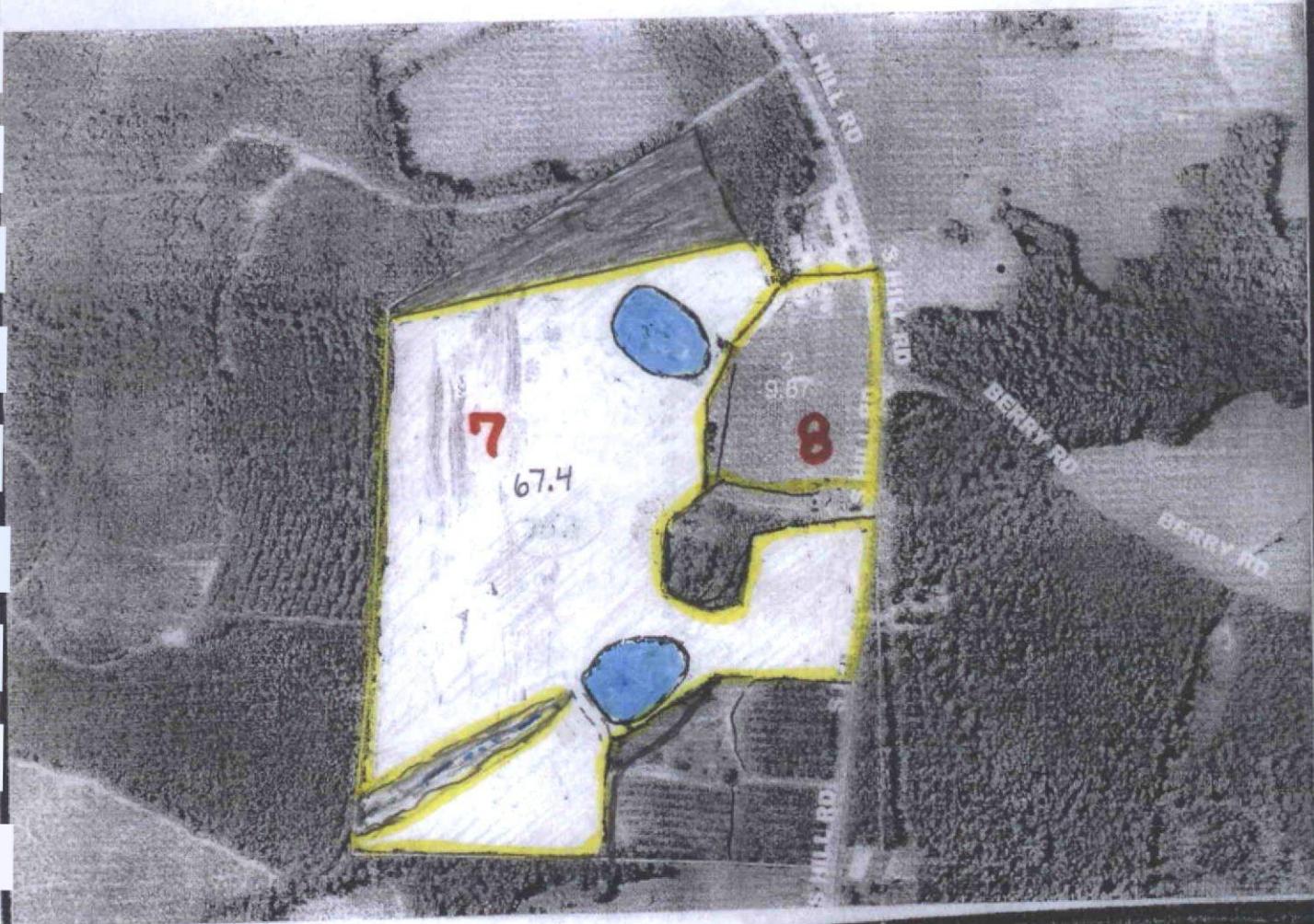
AERIAL MAP



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Farm Number: 1695
Tract Number: 1682

Record Generation Identifier:
• Periodic Lot
• Head Residential
Change from Commercial/Compliance Previous

Lunenburg County

Farm Service Agency

Latitude coordinates are a requirement for all FSA applications. If you do not know the latitude of the area, contact your local FSA office or county extension agent. If you have a GPS unit, enter the address of the location and it will provide the latitude and longitude.

T1682

Scale: 1 inch = 660 feet

LUWEP 7-8

AERIAL MAP



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T 15692

Scale: 1 inch = 660 feet

LUWEP 9-12

AERIAL MAP



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1 inch equals 618 feet

Farm Number: 1709

Tract Number: 1545

36°47'48"
78°04'34"

Wetland Determination Identifiers:

● Restricted Use

▽ Limited Restrictions

□ Exempt from Conservation Compliance Requirements

LUNENBURG

Farm Service

Wetland identifiers do not represent the size of the area. Refer to your ongoing determination (CPA) wetland boundaries and labels, or contact NRCS.

Scale: 1 inch = 660 feet

LUWEP 13-15

AERIAL MAP



Legend for Site Plan



House and Well



Well

Perennial Streams & Surface Waters



Wet Spot



Intermittent Stream / Drainage Ditch



Trees and Woods



Private Drive



Rock / Rocky Area



Sinkhole



Severely Eroded Spot



State Road



Field Boundary / Fence



Property Line



Slope



Frequent Flooded Soil (seasonal)



CATTLE (LIVESTOCK) HYDRANT

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Scale:

1 inch = 660 feet

LUWEP 1-6

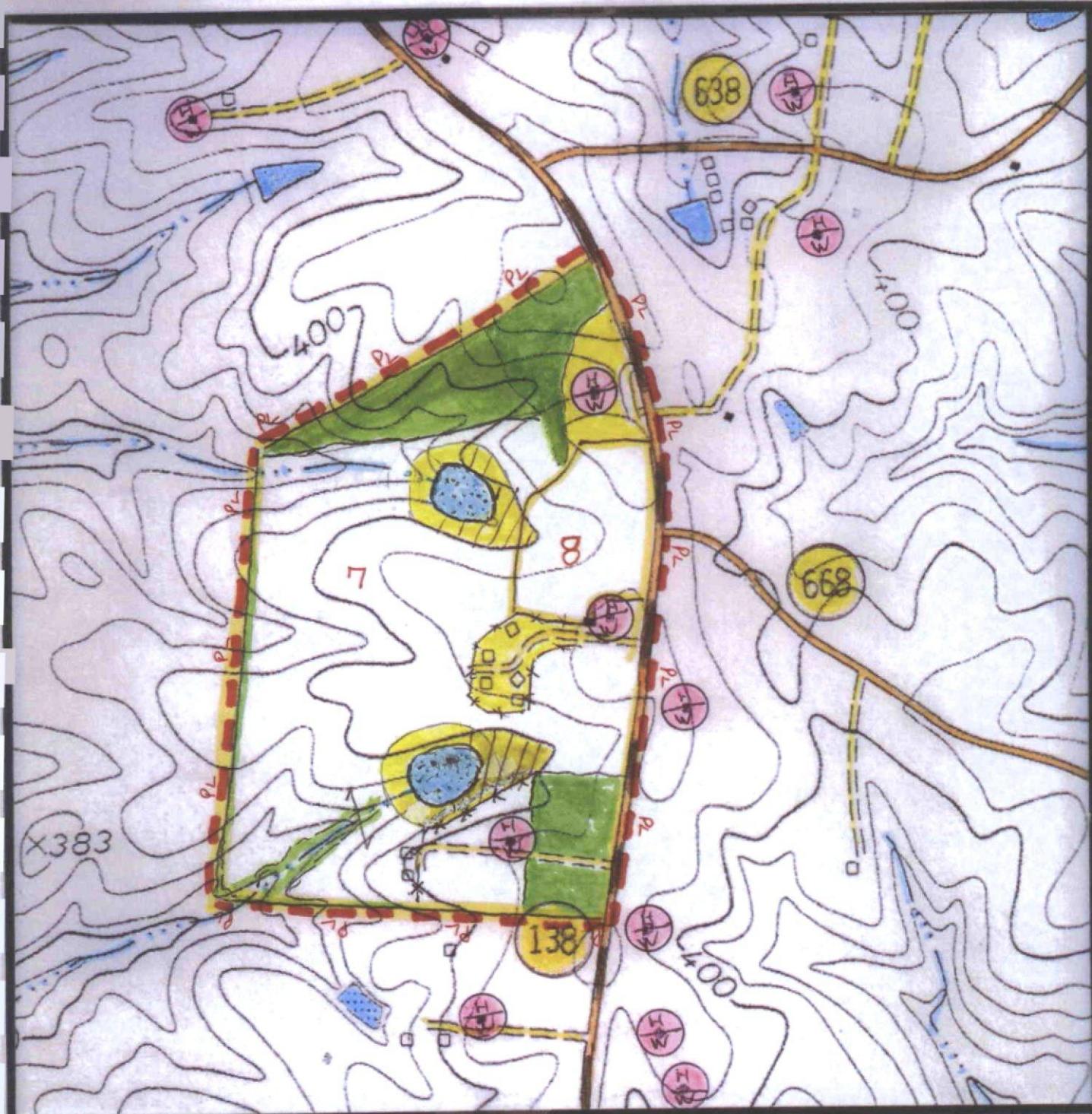
SITE PLAN



Recyc Systems™

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 7-8

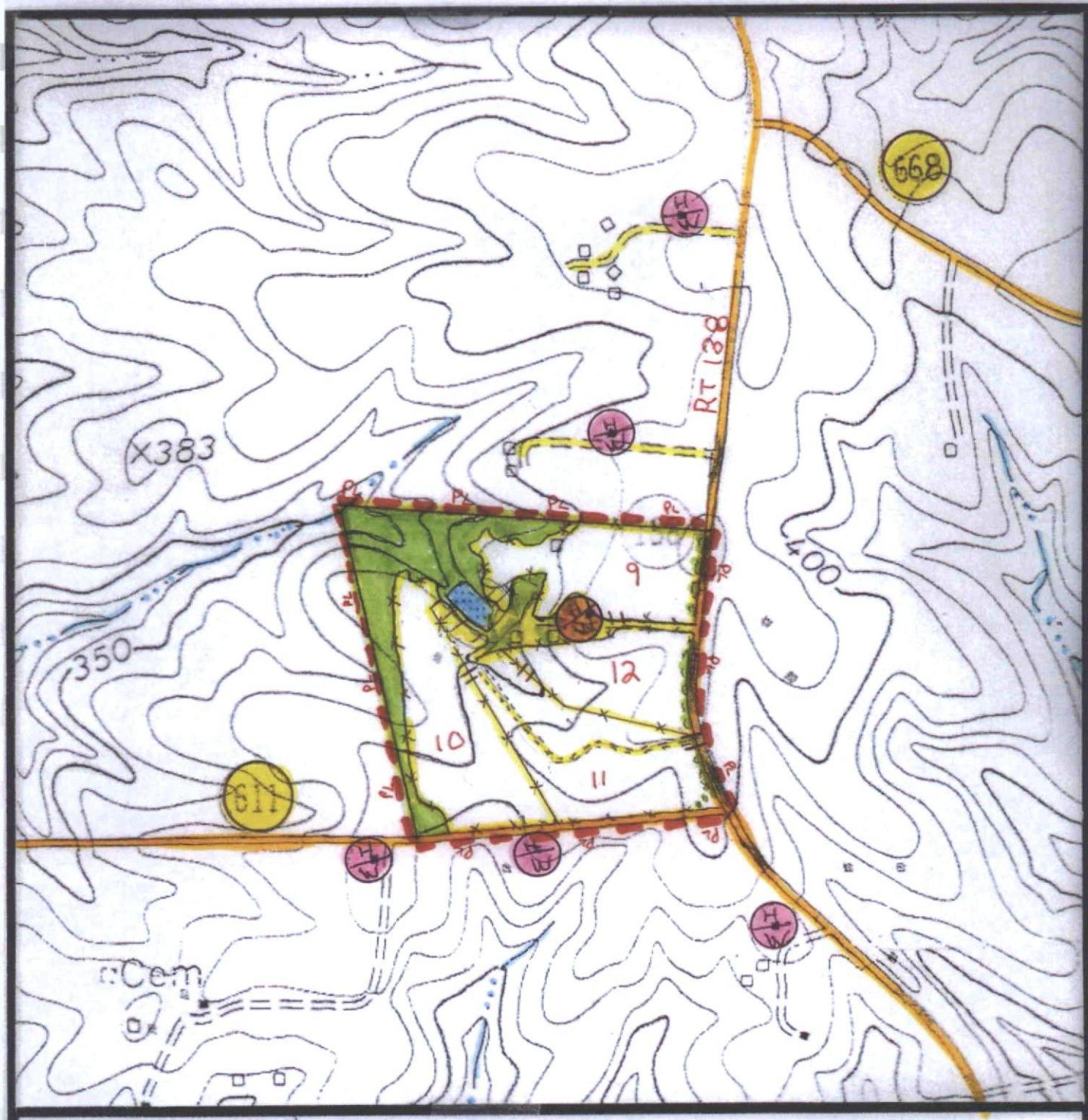
SITE PLAN



Recyc Systems™

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 9-12

SITE PLAN



Recyc Systems™

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUWEP 13-15

SITE PLAN



Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

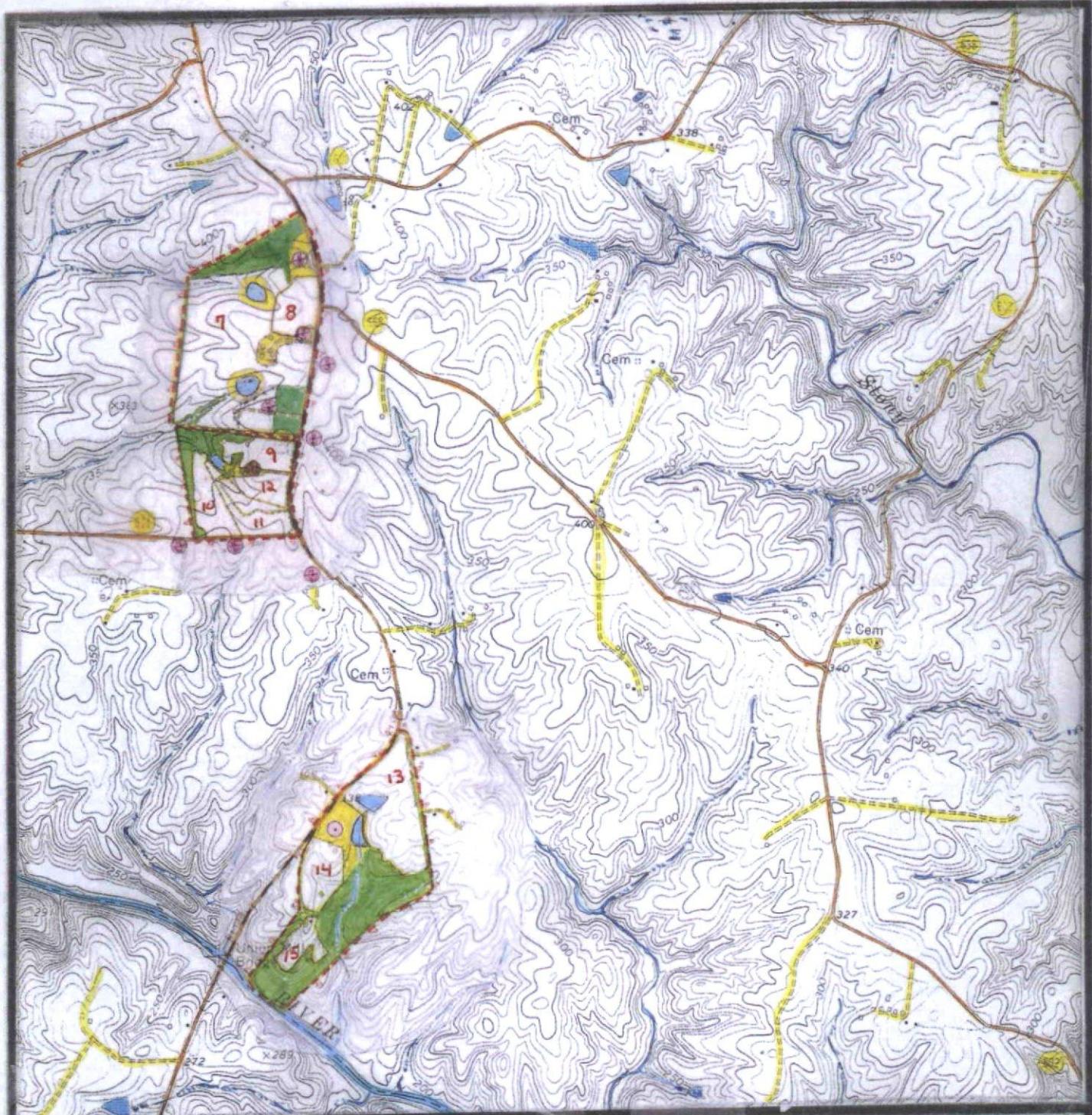
LUWEP 1-6

TOPOGRAPHIC MAP



Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

LUWEP 7-15

TOPOGRAPHIC MAP

